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ABSTRACT

Data on nationwide school enrollment among various socioeconomic and demographic groups in 1983 and earlier years were obtained from the Current Population Survey conducted by the Bureau of the Census and are presented in six tables. Total school attendance has decreased every year since 1975. Most of the decrease in the aggregate number of students is due to smaller cohorts of persons of elementary through high school ages (5 to 17 years). However, college enrollment estimated at 10.8 million persons ages 14 to 34 in October 1983 is substantially larger than the 8.2 million students enrolled in 1973. Three tables give data on 1965-83 enrollment among persons aged 3 to 34, broken down by educational level, race, Spanish origin, age, sex, and public or private control of the school. The remaining tables cover college enrollment from 1965-83 by sex, race, and Spanish origin; from 1972-83 by age and sex; and from 1970-83 by type of college, attendance status, age, and sex. In addition to regular Census questions on school enrollment. questions were asked about elementary and high school students concerning homework and changing schools. Three tables present data on these topics. (MLF)

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CURRENT POPULATION REPORTS

Population Characteristics

U.S. Department of Commerce
BUREAU OF THE CENSUS

Series P-20, No. 394
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School Enrollment—Social and Economic Characteristics of Students: October 1983 (Advance Report)

INTRODUCTION

In October 1983, 57,745,000 persons aged 3 to 34 were enrolled in schools ranging from nursery and kindergarten to college. This number represented about 48.4 percent of the total civilian noninstitutionalized population in these ages. Despite the large size of the enrolled population, total attendance has decreased by 3.2 million students since 1975 (one of the years of highest enrollments)—a significant decline. While yearly point estimates for this 8-year period indicate apparent decreases every year, most of these year-to-year changes (including 1982-83) are not statistically significant.

Most of the decrease in the aggregate number of students is due to smaller cohorts of persons of elementary through high school ages (5 to 17 years). While the enrollment rate for these individuals has slightly increased, the absolute number of persons in these ages has decreased by some 5.5 million persons since 1975, yielding a net loss of 5.1 million students. However, there have been some compensating trends in other age groups which have reduced the overall decline in the number of students between 1975 and 1983. Increases in the size of the 18-to-34 age cohort have resulted in an increase of 1.4 million students, and higher rates of enrollment among young children 3 and 4 years old have added another 500,000 students over 1975 levels, resulting in the overall net decrease of 3.2 million students.

Current "middle series" population projections by the Census Bureau (Current Population Reports, Series P-25, No. 952) do not foresee much additional shrinkage in the near future in the 5-to-17 age cohort's size, and in fact, anticipate slow growth beginning in the next 2 to 3 years. Nevertheless, even under these assumptions, it is not expected that the 5-to-17 age category will return to its 1975 size anytime in the next 50 years. Of course, unanticipated large-scale increases in fertility or large numbers of net inmigrants in these ages could alter this scenario substantially.

Enrollment numbers at different levels of schooling were distributed in the following way: 2.3 million nursery schoolers, 3.4 million kindergarten students, 27.2 million children in elementary school, 14.0 million persons in high school, and 10.8 million college students. Comparison of these figures with the previous year's indicates increases at the nursery and kindergarten levels and decreases at all other levels, although none of these year-to-year changes were statistically significant.

ENROLLMENT

With nursery school enrollment at 2.3 million persons the size of this category has now increased by 75 percent in the past 10 years. This increase is principally due to an increase in rates of nursery school attendance. In 1973, 17.7 percent of children 3 to 4 years old were enrolled in nursery school; by the fall of 1983, this figure had risen to 30.9 percent. Overall, the change in rate for 3-to-4-year-olds accounted for 90 percent of the overall increase in nursery school. (See Current Population Reports, Series P-20, No. 272, table 15, and unpublished 1983 data.) While over 70 percent of White nursery-school students were in private schools, only a third of Black nursery schoolers were, indicating that cost and public availability may be serious limiting factors in usage of this still-growing type of schooling.

Increases in the number of kindergarten students are not as substantial as those at the nursery school level. Roughly 3.4 million children were enrolled in kindergarten in October 1983, compared with 3.1 million in 1973. Unlike nursery school, enrollment rates for children of kindergarten age (and elementary and high school ages) have been relatively high for at least the last 10 years. (That is, generally 90 percent or more of the eligible population is enrolled in school.) Consequently, most fluctuations in the number of persons enrolled at this level will be due to corresponding changes in the size of the age cohort at risk. Since it is expected that cohorts of kindergarten age will be successively larger in the next several years, it is likely that the actual number of persons in kindergarten will increase slightly.

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With 27.2 million students, elementary school enrollments are approaching the point at which they will stop decreasing and begin rising. Elementary school students decreased numerically by over 4.2 million in the past 10 years, even though the rates of enrollment remained essentially the same. Shrinking cohort size has been the main force in enrollment declines at the elementary school level. Declines in both White and Black enrollments have been substantial, and only an increase of over a half-million elementary school students of other races (principally Asian because of increased immigration) kept this decrease from approaching 5 million students. Based on the age structure of children 5 years and younger, increases in the numbers of elementary school students are still at least 3 years away.

High school enrollments of 14 million persons also represented a large drop from the level in 1973, when 15.3 million students attended high school. This decline is even more severe when one considers that in 1977 there were 15.8 million high school students. Despite this overall fall in the number of high school students, enrollments in private high schools in 1983 were about the same as they were in 1973. Whites accounted for 81.5 percent of all high school students and 89.2 percent of all private high schoolers in 1983. In comparison, nearly 95 percent of all private high school students in 1973 were White, perhaps indicating that private high schools have become slightly more accessible to nonwhite students over time.

Most of the changes in the number of high school students is accounted for by the size of high-school-age cohorts. Changes in the cohort size of the 14-to-17 age group alone accounted for a decrease component of 1.7 million high school students from 1973. Some evidence of slightly higher rates of enrollment by these persons, as well as some increase in the number of high school students at other ages, kept the actual net loss of high school students to about 1.3 million. By 1990, the 14-to-17 age group is projected to shrink in size by about 1.5 million persons from the 1983 estimate. At prevailing enrollment rates this implies a loss between 1983 and 1990 of well over 1 million high school students.

There were 10.8 million persons ages 14 to 34 enrolled in college in October 1983. This figure, while not significantly different from the estimated 10.9 million persons in October 1982, was substantially larger than the 8.2 million students enrolled in 1973. The increase in the enrolled population is a product of many different factors, the principal one being the size of the 18-to-21 age group. Individuals of these ages are commonly referred to as the "traditional" college-age population, and in 1983 about 34 percent of all civilian persons of these ages were, in fact, enrolled in college. Over the 10-year period, the size of this age cohort increased from 14.8 million to 15.9 million, yielding over 300,000 additional college students based on increased cohort size alone. While it cannot be said what future rates of attendance for this group will be, recent projections indicate that the size of the 18-to-21 age cohort is expected to drop by over 2.5 million in the next 12 years. Thus, unless the enrollment rate for these individuals rises dramatically, it is likely that the number of students contributed by this age group will also significantly decline.

Increases in college enrollment have occurred in part because of rising participation rates of women. An estimated 28.2 percent of all women 18 to 21 years old were in college in 1973; by 1983 this figure had risen to 34.5 percent. When considered in the context of an at-risk population of several million people, increases of only a few percent translate to several hundred thousand additional students. Increases were apparent not only at traditional college ages, but at other ages as well. The attendance rate for women 22 to 34 years old rose from 5.8 to 8.9 percent in the 1973-83 period. The combined effect of higher rates and larger cohort size yielded an additional 1.2 million women students aged 22 to 34, and over 40 percent of the total increase in college students ages 18-34 that occurred during the 10-year period.

The relative proportions of some types of students remained the same when comparing 1973 and 1983. For example, in both years, about 83 percent of all students were enrolled in undergraduate school, and 76 percent were in public institutions. Large numeric and proportionate increases did occur for 2-year schools, however, as their enrollments rose from 22 percent to 27 percent of the total student population. Of the 1.1 million additional 2-year college students over 1973 levels, nearly 800,000 were women. Over 400,000 of the new students were 25 to 34 years old, and about 600,000 attended schools part-time. Increases such as these indicate that individuals who previously might not have attended college at all are using 2-year schools to obtain at least some college education. These students represent an important source contributing to the overall college enrollment increase.

In addition to the 10.8 million college students 14 to 34 years old, there were another 1.5 million persons aged 35 and older who also were attending college in 1983. This older adult group is one of the fastest-growing components of college enrollments, having increased by over 700,000 persons and nearly doubling in size in the past 10 years. While a relatively small proportion of persons 35 and older are actually enrolled in school, the size of this student group is substantial enough that it now accounts for over 12 percent of all college students. Nearly two-thirds of these students are women, 81 percent are attending part-time, 41 percent are graduate students, 89 percent are White, and 38 percent are attending 2-year schools.

HOMEWORK

In addition to regular questions on school enrollment, several other questions were asked about elementary and high school students in the October 1983 survey. Some of these questions were aimed at determining both the amount of homework that students regularly do, and how many students receive help from their parents. The results that follow are based on household informant's reports for all of the student members of that household, and might differ from what the

students themselves might actually report. The median amount of homework done per week by all students was about 5.4 hours. This includes the 12.8 percent of all students who reported having no homework in an average week.

As table A shows, there is some variation around this national figure of 5.4 hours. The median value for high school students was 6.9 hours, while for elementary students (grades 1-8) it was 5.0 hours. The overall difference between White and Black students, while small (5.4 vs. 5.6 hrs., or a difference of 12 minutes), is statistically significant. In public elementary school the race difference of .9 hour is the only significant difference for the four different combinations of type of school and grade level. In general, girls are reported to do more homework than boys. Sex differences are observed at every line in table A except for private high schools.

In recent years there has been some discussion of differences in the educational rigor of public and private schools. While students in private schools had a median 6.2 hours of homework per week, those in public schools had about 5.4 hours. This discrepancy becomes far more pronounced when examining high school students only. Public high school students had a median 6.5 hours of homework per week, while the comparative figure for private high schoolers was 14.2. Of course, private high schools in general promote academic or pre-college curricula, while public schools tend to be more diverse, including some schools and curricula that are principally remedial or vocational, many that offer general education, and some which are as academically advanced as the most advanced private schools. Nevertheless, this greater diversity of public institutions and the implicit selectivity of private schools is a major reason why the median levels of homework in public and private high schools differ so greatly.

Survey results indicate that many students receive at least some help with their homework from adults in their household. As the last column of table A shows, about 58 percent of all students usually receive aid in doing their studies. In this table, the greatest differentiation in receiving help is between elementary and high school students, although there is also a distinction, though far less substantial, between public and private school students. While high school students have more homework than elementary school children, they receive less help. It may be that the age of the student is more of a factor than the amount of homework in influencing parental aid.

Table A. Median Hours of Homework per week: October 1983

Type of school	All students	White	Black	Hispanic	Male	Female	Proportion getting help
All schools.....	5.4	5.4	5.6	5.3	5.2	5.7	57.9
Elementary.....	5.0	4.7	5.4	5.0	4.6	5.2	72.1
Public.....	4.9	4.5	5.4	4.9	4.5	5.1	71.9
Private.....	5.5	5.4	6.0	5.7	5.3	5.8	73.2
High school.....	6.9	6.8	6.8	6.1	5.9	8.3	33.1
Public.....	6.5	6.4	6.6	5.9	5.8	8.0	32.8
Private.....	.	14.2	14.4	14.5	14.1	14.4	35.5
Total public.....	5.4	5.3	5.6	5.2	5.2	5.6	57.4
Total private.....	6.2	6.0	8.0	6.8	5.8	7.2	61.8

CHANGING SCHOOLS

Other supplemental questions asked whether students had changed schools, either during or between school years. Concerns have been raised about the negative effect that switching schools has on a student's educational progress. The results of the questions asked in October 1983 provide a previously unavailable estimate of the magnitude of school switching by the student population. In total, 10.6 million students aged 5 to 21 who had been enrolled in elementary or high school sometime in the previous year (fall 1982-fall 1983) had changed schools at least once during that time. These 10.6 million students (or about 24.4 percent of the 43.4 million who were enrolled) actually accounted for 13.6 million school changes, since some of these individuals (2.7 million, or 25 percent of all movers) changed schools more than once in the preceding year.

Of course as table B shows, most students who changed schools did so only once, and most of these changes were made between school years (during the summer). Over 6.5 million students changing school made their single shift during summer vacation, while another 1.3 million made their only shift sometime during the school year. Another 2.7 million students made more than one school change in the 1-year period, but for most of these (2.5 million) one of these shifts occurred between school years.

Of those changes that occurred between school years, the largest proportion involved the switch from one public school to another. Table C shows the magnitude of switches involving different combinations of the type of control of origin and destination schools.

The data indicates a large flow from public to private schools (380,000), but there is some evidence of a somewhat larger one in the opposite direction (460,000). In addition to

Table B. Type and Number of School Changes, by Current Level of Enrollment from October 1982 to October 1983

(Numbers in thousands)

Type of school	All students	All students changing	Type of change			Number of shifts		
			During year only	During and between year	Between year only	One	More than one	No response
Total	43,374	10,594	1,508	2,545	6,540	7,881	2,675	38
Elementary	26,140	6,743	925	1,769	4,049	4,887	1,821	35
High school	13,395	3,605	336	777	2,492	2,782	820	3
Other[1]	3,839	246	246	0	0	212	34	0

[1]Includes college students, high school graduates, and dropouts who were enrolled in elementary or high school during the reference period.

information on the type of school, reasons for switching are also displayed in table C. Public to private school shifts, accounting for 4 percent of all between-year changes, were made 73 percent of the time for reasons other than moving or completing the highest grade at the previous school; for all other types of shifts, the "other" reason was given only 14 percent of the time.

Table C. Control of Origin and Destination Schools and Reasons for Changing: Between-Year Changes Only

(Numbers in thousands)

Origin and destination	Students changing between years	Reason for changing school			
		Moved	Completed highest grade	Other	No response
Total	9,086	2,628	4,858	1,504	96
Public to public	7,298	2,264	4,170	849	15
Public to private	380	33	68	279	0
Private to public	460	98	137	225	0
Private to private	364	70	207	86	1
No response to Public	557	158	268	57	74
No response to Private	27	5	8	8	6

No response—control of origin school not determined.

Table 1. School Enrollment of Persons 3 to 34 Years Old, by Level and Control of School, Race, and Spanish Origin: October 1965 to 1983

(Numbers in thousands. Civilian noninstitutional population)

Level and control of school	1983	1982	1981[1]	1981[2]	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1965
ALL RACES																
Total enrolled	57,745	57,905	58,390	56,940	57,348	57,854	58,616	60,013	60,482	60,969	60,259	59,392	60,142	61,106	60,357	54,701
Nursery school	2,350	2,133	2,058	2,026	1,987	1,869	1,824	1,618	1,526	1,748	1,607	1,324	1,283	1,056	1,096	520
Public	809	729	663	657	633	636	587	562	476	574	423	400	402	317	333	127
Private	1,541	1,423	1,396	1,369	1,354	1,233	1,237	1,056	1,050	1,174	1,184	924	881	749	763	393
Kindergarten	3,361	3,299	3,161	3,069	3,176	3,025	2,989	3,191	3,490	3,393	3,252	3,074	3,135	3,263	3,183	3,057
Public	2,706	2,746	2,616	2,540	2,690	2,593	2,493	2,665	2,962	2,851	2,726	2,582	2,636	2,689	2,647	2,439
Private	656	553	545	529	486	432	496	526	528	542	526	493	499	574	536	618
Elementary school	27,198	27,412	27,795	27,059	27,449	27,865	28,490	29,234	29,774	30,446	31,126	31,469	32,242	33,507	33,950	32,474
Public	24,203	24,381	24,758	24,083	24,398	24,756	25,252	25,983	26,698	27,166	27,956	28,201	28,693	29,829	30,001	27,596
Private	2,994	3,031	3,037	2,976	3,051	3,109	3,238	3,251	3,075	3,279	3,169	3,268	3,549	3,678	3,949	4,878
High school	14,010	14,123	14,642	14,349	14,556	15,116	15,475	15,753	15,742	15,683	15,447	15,347	15,169	15,183	14,715	12,975
Public	12,792	13,004	13,523	13,249	(NA)	13,994	14,231	14,505	14,541	14,503	14,275	14,162	14,015	14,057	13,545	11,517
Private	1,218	1,118	1,119	1,100	(NA)	1,122	1,244	1,248	1,201	1,180	1,172	1,184	1,155	1,126	1,170	1,457
College	10,825	10,919	10,734	10,437	10,180	9,978	9,838	10,217	9,950	9,697	8,727	8,179	8,313	8,087	7,413	5,675
Public	8,185	8,354	8,159	7,911	(NA)	7,699	7,427	7,925	7,739	7,704	6,905	6,224	6,337	6,271	5,699	3,840
Private	2,640	2,565	2,576	2,525	(NA)	2,280	2,410	2,292	2,211	1,994	1,922	1,955	1,976	1,816	1,714	1,835
College:																
Full time	7,711	7,736	7,569	7,384	7,147	7,010	6,979	7,196	7,176	7,105	6,351	6,089	6,314	6,204	5,763	4,414
Percent	71.2	70.8	70.5	70.7	70.2	70.3	70.9	70.4	72.1	73.3	71.9	74.4	76.0	76.7	77.7	77.8
Part time	3,114	3,183	3,166	3,053	3,033	2,968	2,859	3,021	2,773	2,592	2,476	2,090	1,999	1,883	1,650	1,261
WHITE																
Total enrolled	47,423	47,662	48,169	47,098	47,673	48,225	48,843	50,151	50,761	51,430	50,992	50,617	51,314	52,081	51,719	47,451
Nursery school	1,932	1,783	1,685	1,657	1,637	1,537	1,456	1,314	1,245	1,432	1,340	1,087	1,079	888	893	451
Public	563	504	447	441	432	428	351	372	318	392	293	242	285	225	198	93
Private	1,369	1,279	1,238	1,216	1,205	1,110	1,105	942	929	1,040	1,048	845	794	664	695	358
Kindergarten	2,769	2,677	2,597	2,514	2,595	2,437	2,452	2,611	2,881	2,845	2,745	2,584	2,633	2,735	2,706	2,648
Public	2,181	2,189	2,130	2,060	2,172	2,069	2,009	2,153	2,423	2,363	2,268	2,139	2,185	2,207	2,233	2,086
Private	588	489	467	453	423	368	444	458	457	483	477	445	448	527	473	562
Elementary school	22,054	22,297	22,663	22,081	22,510	22,959	23,524	24,262	24,776	25,412	26,051	26,531	27 185	28,187	28,638	27,679
Public	19,340	19,583	19,924	19,390	19,743	20,174	20,551	21,312	21,947	22,351	23,063	23,506	23,869	24,720	24,923	22,976
Private	2,714	2,713	2,739	2,691	2,768	2,785	2,973	2,950	2,829	3,059	2,990	3,025	3,316	3,466	3,715	4,703
High school	11,425	11,577	12,062	11,862	12,056	12,583	12,897	13,152	13,214	13,224	13,073	13,091	12,959	12,998	12,723	11,356
Public	10,339	10,541	11,035	10,849	(NA)	11,549	11,741	11,980	12,093	12,112	11,966	11,967	11,876	11,937	11,599	9,961
Private	1,086	1,036	1,027	1,013	(NA)	1,033	1,156	1,172	1,121	1,112	1,107	1,124	1,083	1,061	1,124	1,395
College	9,242	9,328	9,162	8,983	8,875	8,709	8,514	8,812	8,644	8,516	7,781	7,324	7,458	7,273	6,759	5,317
Public	6,949	7,102	6,906	6,754	(NA)	6,672	6,368	6,743	6,657	6,724	6,049	5,550	5,644	5,624	5,168	3,568
Private	2,293	2,227	2,256	2,229	(NA)	2,037	2,145	2,069	1,987	1,792	1,732	1,773	1,814	1,650	1,591	1,749
College:																
Full time	6,532	6,579	6,452	6,349	6,212	6,058	5,974	6,165	6,170	6,183	5,575	5,408	5,678	5,560	5,221	4,111
Percent	70.7	70.5	70.4	70.7	70.0	69.6	70.2	70.0	71.4	72.6	71.6	73.8	76.1	76.4	77.2	77.3
BLACK																
Total enrolled	8,199	8,262	8,350	8,282	8,251	8,317	8,416	8,564	8,518	8,400	8,215	7,834	7,959	8,179	7,929	[4]7,252
Nursery school	326	305	284	294	294	278	312	250	226	276	227	219	185	151	178	72
Public	215	192	182	187	180	185	210	171	146	171	121	146	113	90	129	37
Private	111	113	102	107	115	93	102	78	80	105	106	64	72	61	49	35
Kindergarten	476	508	474	477	490	497	451	496	542	468	463	423	448	464	426	407
Public	427	463	412	415	440	443	414	447	482	426	416	391	402	422	374	353
Private	48	45	62	62	50	54	38	50	60	42	47	32	46	42	53	54
Elementary school	4,153	4,194	4,291	4,281	4,259	4,296	4,356	4,387	4,430	4,509	4,585	4,473	4,573	4,877	4,868	4,796
Public	3,964	3,974	4,087	4,072	4,058	4,053	4,154	4,166	4,256	4,344	4,455	4,277	4,382	4,712	4,668	4,620
Private	189	220	204	208	202	243	202	221	175	165	131	196	191	165	200	176
High school	2,143	2,128	2,168	2,150	2,200	2,245	2,276	2,327	2,258	2,199	2,125	2,044	2,025	2,006	1,834	1,619
Public	2,057	2,073	2,102	2,085	(NA)	2,171	2,211	2,269	2,187	2,140	2,072	1,988	1,971	1,951	1,794	1,556
Private	86	55	65	65	(NA)	74	65	59	71	59	54	56	54	55	41	62
College	1,102	1,127	1,133	1,080	1,007	1,002	1,020	1,103	1,062	948	814	652	727	680	522	358
Public	858	865	898	857	(NA)	814	822	916	887	782	659	537	582	532	422	272
Private	245	263	235	223	(NA)	188	199	187	175	166	155	147	145	148	100	86
College:																
Full time	806	800	815	776	723	748	753	803	317	742	589	536	525	534	427	218
Percent	73.1	..0	71.9	71.9	71.8	74.6	73.8	72.8	76.9	78.3	72.4	78.3	72.3	78.5	81.8	79.6
SPANISH ORIGIN[3]																
Total enrolled	4,618	4 478	4,551	4,378	4,263	3,608	3,455	3,516	3,623	3,741	3,620	3,171	3,257	(NA)	(NA)	(NA)
Nursery school	108	83	131	126	146	89	87	75	68	85	85	68	61	(NA)	(NA)	(NA)
Public	60	46	68	66	70	50	47	30	38	47	37	41	43	(NA)	(NA)	(NA)
Private	48	37	63	60	75	39	39	46	30	39	48	27	18	(NA)	(NA)	(NA)
Kindergarten	335	329	306	292	263	226	231	220	282	235	225	171	241	(NA)	(NA)	(NA)
Public	285	291	282	268	234	210	198	206	242	218	207	165	227	(NA)	(NA)	(NA)
Private	50	37	24	23	30	16	33	14	20	17	18	6	14	(NA)	(NA)	(NA)
Elementary school	2,548	2,501	2,474	2,373	2,363	1,934	1,893	1,874	1,934	2,062	2,040	1,884	1,879	(NA)	(NA)	(NA)
Public	2,323	2,276	2,239	2,146	2,134	1,745	1,704	1,654	1,768	1,858	1,780	1,712	1,705	(NA)	(NA)	(NA)
Private	225	225	235	227	228	189	188	220	165	204	260	172	173	(NA)	(NA)	(NA)
High school	1,104	1,072	1,130	1,101	1,048	920	868	928	932	948	916	758	834	(NA)	(NA)	(NA)
Public	1,027	995	1,056	1,029	(NA)	875	825	836	867	886	858	707	784	(NA)	(NA)	(NA)
Private	77	77	74	72	(NA)	45	43	92	65	61	59	51	50	(NA)	(NA)	(NA)
College	523	493	510	486	443	440	377	418	427	411	354	290	242	(NA)	(NA)	(NA)
Public	441	398	398	379	(NA)	365	315	357	354	358	297	247	213	(NA)	(NA)	(NA)
Private	82	96	112	107	(NA)	75	62	60	73	53	57	43	29	(NA)	(NA)	(NA)
College:																
Full time	335	312	343	326	294	314	231	287	297	287	247	201	178	(NA)	(NA)	(NA)
Percent	64.1	63.3	67.3	67.1	66.4	71.4	61.3	68.7	69.6	65.8	69.8	69.3	73.6	(NA)	(NA)	(NA)

NA Not available.

[1]Controlled to 1980 census base.
[2]Controlled to 1970 census base.
[3]Persons of Spanish origin may be of any race.
[4]Enrollment figures for 1965 are for Black and other races.

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Table 2. Percentage of Persons 3 to 34 Years Old Enrolled in School, by Age and Sex: October 1965 to October 1983

(Civilian noninstitutional population)

Age and sex	1983	1982	1981[1]	1981[2]	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1965
Total, 3 to 34 years	48.4	48.6	48.9	49.1	49.7	50.3	51.2	52.5	53.1	53.7	53.6	53.8	54.9	56.2	56.4	55.5
3 and 4 years	37.5	36.4	36.0	36.1	36.7	35.1	34.2	32.0	31.3	31.5	28.8	24.2	24.4	21.2	20.5	10.6
5 and 6 years	95.4	95.0	94.0	94.1	95.7	95.8	95.3	95.8	95.5	94.7	94.2	92.5	91.9	91.6	89.5	84.9
7 to 13 years	99.2	99.2	99.2	99.2	99.3	99.2	99.1	99.4	99.2	99.3	99.3	99.2	99.2	99.1	99.2	99.4
14 to 17 years	95.0	94.4	94.1	94.2	93.4	93.6	93.7	93.6	93.7	93.6	92.9	92.9	93.3	94.5	94.1	93.2
18 and 19 years	50.4	47.8	49.0	49.1	46.4	45.0	45.4	46.2	46.2	46.9	43.1	42.9	46.3	49.2	47.7	46.3
20 and 21 years	32.5	34.0	31.6	31.7	31.0	30.2	29.5	31.8	32.0	31.2	30.2	30.1	31.4	32.2	31.9	27.6
22 to 24 years	16.6	16.8	16.5	16.4	16.3	15.8	16.3	16.5	17.1	16.2	15.1	14.5	14.8	15.4	14.9	13.2
25 to 29 years	9.6	9.6	9.0	8.9	9.3	9.6	9.4	10.8	10 0	10.1	9.6	8.5	8.6	8.0	7.5	6.1
30 to 34 years	6.4	6.3	6.9	6.9	6.4	6.4	6.4	6.9	6.0	6.6	5.7	4.5	4.6	4.9	4.2	3.2
Male, 3 to 34 years	49.7	49.7	50.2	50.4	50.9	51.8	52.9	54.3	55.1	56.0	56.0	56.1	57.8	59.3	59.7	58.8
3 and 4 years	38.1	36.4	36.8	36.7	37.8	34.6	34.0	32.1	30.9	30.9	28.1	24.5	24.4	20.0	21.2	10.2
5 and 6 years	95.1	94.7	94.2	94.2	95.0	96.3	95.1	94.7	95.6	94.4	94.4	92.2	91.7	90.9	88.9	84.9
7 to 13 years	99.1	99.1	99.1	99.1	99.2	99.0	99.0	99.3	99.0	99.0	99.2	99.2	99.1	98.9	99.0	99.3
14 to 17 years	95.1	94.9	94.3	94.4	93.7	94.3	93.9	94.3	94.6	94.6	93.3	93.7	94.0	95.3	94.8	93.6
18 and 19 years	50.4	48.9	50.5	50.5	47.0	46.6	47.8	48.4	48.2	49.9	45.8	47.9	51.2	55.4	54.4	55.6
20 and 21 years	35.2	35.2	32.1	32.2	32.6	31.6	31.7	34.6	33.6	35.3	34.8	34.4	37.3	38.9	42.7	37.6
22 to 24 years	19.4	18.5	19.2	19.1	17.8	17.6	19.1	19.7	20.7	20.0	19.4	19.1	21.3	23.3	21.2	21.1
25 to 29 years	10.7	10.1	9.6	9.5	9.8	10.4	10.9	12.6	13.0	13.1	12.7	11.8	12.1	11.9	11.0	9.4
30 to 34 years	5.8	5.6	6.2	6.2	5.9	6.0	6.5	7.1	6.8	7.7	6.7	5.6	5.8	6.3	5.3	4.5
Female, 3 to 34 years	47.0	47.5	47.7	47.9	48.5	49.0	49.5	50.7	51.0	51.5	51.3	50.9	52.0	53.2	53.2	52.3
3 and 4 years	36.9	36.4	35.2	35.4	35.5	35.6	34.5	32.0	31.6	32.1	29.5	23.8	24.4	22.4	19.8	10.9
5 and 6 years	95.8	95.3	93.8	93.9	96.4	95.2	95.5	96.9	95.5	95.1	93.9	92.3	92.2	92.3	90.2	84.9
7 to 13 years	99.3	99.3	99.4	99.4	99.3	99.4	99.3	99.5	99.3	99.6	99.5	99.3	99.3	99.4	99.4	99.4
14 to 17 years	94.9	94.0	93.9	94.0	93.1	92.6	93.5	93.0	92.8	92.6	92.5	92.1	92.6	93.7	93.4	92.8
18 and 19 years	50.3	46.8	47.5	47.7	45.8	43.4	43.0	44.0	44.4	44.2	40.7	38.2	41.8	43.4	41.6	37.7
20 and 21 years	29.9	32.9	31.2	31.2	29.5	28.9	27.5	29.1	30.6	27.4	26.0	26.3	26.3	26.8	23.6	19.5
22 to 24 years	13.9	15.1	13.9	14.0	14.9	14.1	13.6	13.6	13.8	12.6	11.1	10.2	8.9	8.4	9.4	6.5
25 to 29 years	8.5	9.0	8.4	8.3	8.8	8.8	7.9	9.1	7.3	7.2	6.7	5.4	5.3	4.4	4.3	3.1
30 to 34 years	7.0	6.9	7.5	7.5	7.0	6.7	6.2	6.7	5.2	5.6	4.6	3.6	3.6	3.6	3.1	2.1

[1]Controlled to 1980 census base.
[2]Controlled to 1970 census base.

Table 3. College Enrollment of Persons 14 to 34 Years Old, by Sex, Race, and Spanish Origin: October 1965 to October 1983

(In thousands. Civilian noninstitutional population)

Sex, race, and Spanish origin	1983	1982	1981[1]	1981[2]	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1965
ALL RACES																
Total, enrolled in college	10,825	10,919	10,734	10,437	10,180	9,978	9,838	10,217	9,950	9,697	8,827	8,179	8,313	8,087	7,413	5,675
Male	5,504	5,409	5,372	5,193	5,025	4,993	5,124	5,369	5,296	5,342	4,926	4,677	4,853	4,850	4,401	3,503
Female	5,321	5,510	5,363	5,244	5,155	4,986	4,714	4,848	4,654	4,355	3,901	3,502	3,460	3,236	3,013	2,172
Year of college:																
First year	2,987	2,990	3,096	3,032	2,957	2,885	2,766	2,936	2,632	2,886	2,557	2,282	2,320	2,443	2,212	1,861
Second year	2,624	2,617	2,560	2,500	2,411	2,291	2,286	2,364	2,535	2,376	1,999	1,807	1,965	1,885	1,739	1,256
Third year	1,805	1,815	1,799	1,744	1,716	1,653	1,658	1,681	1,748	1,492	1,422	1,476	1,454	1,392	1,248	896
Fourth year	1,595	1,688	1,598	1,543	1,403	1,458	1,445	1,427	1,356	1,354	1,360	1,230	1,253	1,175	1,074	803
Fifth year or higher	1,814	1,810	1,682	1,618	1,692	1,691	1,681	1,810	1,680	1,589	1,490	1,385	1,322	1,192	1,140	859
WHITE																
Total, enrolled in college	9,242	9,328	9,162	8,983	8,875	8,709	8,514	8,812	8,644	8,516	7,781	7,324	7,458	7,273	6,759	5,317
Male	4,718	4,650	4,620	4,514	4,438	4,400	4,508	4,717	4,658	4,774	4,367	4,218	4,397	4,407	4,066	3,326
Female	4,524	4,679	4,543	4,469	4,437	4,309	4,006	4,095	3,986	3,743	3,413	3,105	3,061	2,867	2,693	1,991
BLACK																
Total, enrolled in college	1,102	1,127	1,133	1,080	1,007	1,002	1,020	1,103	1,062	948	814	684	727	680	522	274
Male	497	482	505	474	437	434	452	490	489	442	422	358	384	363	253	126
Female	605	645	628	606	570	568	569	614	573	506	392	326	343	317	269	148
SPANISH ORIGIN[3]																
Total, enrolled in college	523	493	510	486	443	440	377	418	427	411	354	290	242	(NA)	(NA)	(NA)
Male	253	216	258	243	222	226	196	223	223	219	196	167	126	(NA)	(NA)	(NA)
Female	270	278	252	243	221	214	181	194	204	192	158	123	117	(NA)	(NA)	(NA)

NA Not available.

[1]Controlled to 1980 census base.
[2]Controlled to 1970 census base.
[3]Persons of Spanish origin may be of any race.

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Table 4. Age Distribution of College Students 14 Years Old and Over, by Sex: October 1972 to October 1983

(Numbers in thousands. Civilian noninstitutional population)

Age and sex	1983	1982	1981[1]	1981[2]	1980	1979	1978	1977	1976	1975	1974	1973	1972
NUMBER													
Both Sexes													
Total, 14 years and over	12,320	12,308	12,127	11,814	11,387	11,380	11,141	11,546	11,139	10,880	9,852	8,966	9,096
14 to 17 years	260	254	232	226	249	311	274	274	281	293	309	295	295
18 and 19 years	2,940	2,929	3,044	3,024	2,933	2,844	2,899	2,913	2,937	2,945	2,597	2,517	2,680
20 and 21 years	2,495	2,689	2,545	2,484	2,423	2,353	2,298	2,430	2,398	2,313	2,192	2,073	2,116
22 to 24 years	2,042	2,060	1,986	1,897	1,870	1,794	1,798	1,799	1,846	1,679	1,527	1,465	1,461
25 to 29 years	1,921	1,859	1,717	1,627	1,641	1,679	1,619	1,869	1,686	1,616	1,482	1,278	1,229
30 to 34 years	1,167	1,129	1,211	1,179	1,062	996	950	992	803	853	720	551	531
35 years and over	1,495	1,389	1,393	1,377	1,207	1,402	1,303	1,329	1,189	1,183	1,025	787	783
Male													
Total, 14 years and over	6,010	5,899	5,825	5,636	5,430	5,480	5,580	5,889	5,785	5,911	5,402	5,048	5,218
14 to 17 years	108	112	96	94	96	129	106	112	105	128	145	121	141
18 and 19 years	1,340	1,376	1,450	1,432	1,369	1,341	1,391	1,396	1,391	1,426	1,262	1,293	1,366
20 and 21 years	1,310	1,346	1,239	1,212	1,246	1,192	1,202	1,280	1,209	1,256	1,206	1,130	1,170
22 to 24 years	1,170	1,115	1,144	1,080	989	975	1,028	1,036	1,073	1,011	943	937	998
25 to 29 years	1,055	968	909	858	853	893	922	1,035	1,067	1,025	951	867	848
30 to 34 years	521	492	533	517	472	463	474	511	451	496	420	329	330
35 years and over	506	490	453	443	405	487	457	520	489	569	476	371	365
Female													
Total, 14 years and over	6,310	6,410	6,303	6,178	5,957	5,900	5,559	5,657	5,354	4,969	4,449	3,918	3,877
14 to 17 years	153	144	136	132	153	183	168	162	176	164	165	174	153
18 and 19 years	1,600	1,553	1,594	1,592	1,565	1,503	1,507	1,517	1,546	1,517	1,335	1,224	1,314
20 and 21 years	1,185	1,343	1,305	1,271	1,178	1,161	1,096	1,151	1,189	1,058	986	944	946
22 to 24 years	872	945	842	818	882	818	770	763	773	668	584	528	464
25 to 29 years	865	891	808	769	788	786	697	774	619	590	531	411	381
30 to 34 years	645	637	677	662	590	533	476	481	352	357	300	222	200
35 years and over	989	900	940	934	802	914	845	809	700	614	548	416	418
PERCENT													
Both Sexes													
Total, 14 years and over	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14 to 17 years	2.1	2.1	1.9	1.9	2.2	2.7	2.5	2.4	2.5	2.7	3.1	3.3	3.2
18 and 19 years	23.9	23.8	25.1	25.6	25.8	25.0	26.0	25.2	26.4	27.0	26.4	28.1	29.5
20 and 21 years	20.3	21.8	21.0	21.0	21.3	20.7	20.6	21.0	21.5	21.3	22.2	23.1	23.3
22 to 24 years	16.6	16.7	16.4	16.1	16.4	15.8	16.1	15.6	16.6	15.4	15.5	16.3	16.1
25 to 29 years	15.6	15.1	14.2	13.8	14.4	14.8	14.5	15.7	15.1	14.9	15.0	14.3	13.5
30 to 34 years	9.5	9.2	10.0	10.0	9.3	8.8	8.5	8.6	7.2	7.8	7.3	6.1	5.8
35 years and over	12.1	11.3	11.5	11.7	10.6	12.3	11.7	11.5	10.7	10.8	10.4	8.8	8.6
Male													
Total, 14 years and over	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14 to 17 years	1.8	1.9	1.6	1.7	1.8	2.4	1.9	1.9	1.8	2.2	2.7	2.4	2.7
18 and 19 years	22.3	23.3	24.9	25.4	25.2	24.5	24.9	23.7	24.0	24.1	23.4	25.6	26.2
20 and 21 years	21.8	22.8	21.3	21.5	22.9	21.8	21.5	21.7	20.9	21.2	22.3	22.4	22.4
22 to 24 years	19.5	18.9	19.6	19.2	18.2	17.8	18.4	17.6	18.6	17.1	17.5	18.6	19.1
25 to 29 years	17.6	16.4	15.6	15.2	15.7	16.3	16.5	17.6	18.4	17.3	17.6	17.2	16.3
30 to 34 years	8.7	8.3	9.2	9.2	8.7	8.4	8.5	8.7	7.8	8.4	7.8	6.5	6.3
35 years and over	8.4	8.3	7.8	7.9	7.5	8.9	8.2	8.8	8.5	9.6	8.8	7.3	7.0
Female													
Total, 14 years and over	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14 to 17 years	2.4	2.2	2.2	2.1	2.6	3.1	3.0	2.9	3.3	3.3	2.7	4.4	3.9
18 and 19 years	25.4	24.2	25.3	25.8	26.3	25.5	27.1	26.8	28.9	30.5	30.0	31.2	33.9
20 and 21 years	18.8	21.0	20.7	20.7	19.8	19.7	19.7	20.3	22.2	21.3	22.2	24.1	24.4
22 to 24 years	13.8	14.7	13.4	13.2	14.8	13.9	13.9	13.5	14.4	13.4	13.1	13.5	12.0
25 to 29 years	13.7	13.9	12.8	12.4	13.2	13.3	12.5	13.7	11.6	11.9	11.9	10.5	9.8
30 to 34 years	10.2	9.9	10.7	10.7	9.9	9.0	8.6	8.5	6.6	7.2	6.7	5.7	5.2
35 years and over	15.7	14.0	14.9	15.1	13.5	15.5	15..	14.3	13.1	12.4	12.3	10.6	10.8

[1]Controlled to 1980 census base.
[2]Controlled to 1970 census base.

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Table 5. College Enrollment of Students 14 to 34 Years Old, by Type of College, Attendance Status, Age, and Sex: October 1970 to October 1983

(In thousands. Civilian noninstitutional population)

Age, sex, full-time status, and type of college	1983	1982	1981[1]	1981[2]	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
ALL COLLEGE STUDENTS															
Total, 14 to 34 years..	10,825	10,919	10,734	10,437	10,180	9,978	9,859	10,218	9,950	9,697	8,827	8,179	8,313	8,087	7,413
ALL UNDERGRADUATES															
Total, 14 to 34 years..	9,012	9,110	9,053	8,819	8,488	8,287	8,158	8,408	8,270	8,108	7,338	6,794	6,992	6,895	6,274
14 to 19 years	3,200	3,183	3,276	3,250	3,182	3,156	3,173	3,184	3,216	3,237	2,906	2,812	2,974	3,008	2,854
20 and 21 years	2,464	2,657	2,511	2,451	2,393	2,308	2,247	2,376	2,358	2,255	2,131	2,031	2,065	1,936	1,803
22 to 24 years	1,475	1,526	1,458	1,387	1,316	1,297	1,233	1,206	1,224	1,072	1,028	924	944	1,019	866
25 to 34 years	1,873	1,745	1,808	1,731	1,599	1,526	1,506	1,640	1,472	1,546	1,272	1,028	1,011	931	750
Public	7,014	7,174	7,035	6,833	(NA)	6,541	6,340	6,683	6,578	6,598	5,843	5,279	5,460	5,472	4,910
Private	1,998	1,935	2,018	1,985	(NA)	1,746	1,816	1,724	1,692	1,510	1,494	1,516	1,532	1,423	1,363
Male, 14 to 34 years	4,488	4,450	4,443	4,303	4,211	4,106	4,188	4,372	4,301	4,393	4,030	3,791	3,982	4,017	3,697
Full time	3,417	3,451	3,397	3,303	3,192	3,163	3,221	3,304	3,291	3,394	3,128	3,035	3,231	3,240	3,045
Part time	1,071	999	1,046	1,000	920	943	967	1,068	1,010	999	902	756	751	777	582
Female, 14 to 34 years	4,525	4,660	4,610	4,517	4,377	4,183	3,969	4,027	3,969	3,715	3,307	3,004	3,010	2,878	2,646
Full time	3,314	3,355	3,343	3,285	3,123	3,051	2,948	3,002	3,090	2,902	2,561	2,423	2,445	2,348	2,164
Part time	1,211	1,305	1,266	1,231	1,254	1,132	1,021	1,025	879	813	746	581	565	530	482
Full Time															
Total, 14 to 34 years..	6,729	6,807	6,740	6,588	6,315	6,225	6,169	6,304	6,381	6,296	5,689	5,460	5,678	5,588	5,208
14 to 19 years	2,895	2,880	2,983	2,960	2,897	2,892	2,872	2,855	2,963	2,987	2,661	2,629	2,797	2,801	2,685
20 and 21 years	2,124	2,286	2,157	2,106	2,107	1,994	1,919	2,075	2,033	1,958	1,842	1,801	1,845	1,729	1,628
22 to 24 years	993	979	986	937	810	814	821	775	836	696	697	630	624	700	591
25 to 34 years	718	662	613	585	500	525	559	598	553	655	488	398	412	357	301
Part Time															
Total, 14 to 34 years..	2,282	2,304	2,312	2,231	2,173	2,062	1,988	2,104	1,889	1,812	1,649	1,334	1,314	1,307	1,066
14 to 19 years	305	302	293	291	282	264	302	329	253	250	245	183	177	207	169
20 and 21 years	340	372	353	343	286	314	328	301	325	297	289	230	220	207	175
22 to 24 years	482	547	471	450	505	483	412	431	403	376	331	294	320	319	275
25 to 34 years	1,153	1,083	1,195	1,146	1,098	1,001	947	1,042	909	891	784	630	599	574	449
TWO-YEAR COLLEGE STUDENTS															
Total, 14 to 34 years..	2,931	3,011	2,892	2,801	2,666	2,407	2,453	2,510	2,435	2,561	2,072	1,797	1,910	1,830	1,692
14 to 19 years	1,050	1,088	1,144	1,125	1,080	933	966	933	907	1,022	834	816	883	928	895
20 and 21 years	595	604	566	549	450	403	427	455	444	431	369	278	334	307	281
22 to 24 years	405	494	414	392	417	407	391	380	367	354	305	254	267	263	234
25 to 34 years	882	826	768	735	721	664	670	741	718	752	565	449	426	331	283
Public	2,663	2,750	2,646	2,559	(NA)	2,293	2,247	2,362	2,282	2,437	1,917	1,669	1,816	1,726	1,559
Private	268	260	245	241	(NA)	174	206	148	153	123	154	128	94	105	133
Male, 14 to 34 years	1,370	1,359	1,333	1,280	1,195	1,106	1,114	1,253	1,272	1,412	1,172	1,012	1,125	1,087	1,001
Full time	786	832	801	773	739	661	679	681	734	850	709	629	770	726	726
Part time	584	527	532	506	456	445	535	572	538	562	463	383	355	361	275
Female, 14 to 34 years	1,560	1,652	1,559	1,521	1,472	1,301	1,339	1,256	1,163	1,148	899	785	785	743	691
Full time	852	905	842	825	759	680	664	691	696	717	528	471	484	473	452
Part time	709	747	717	696	713	621	575	565	467	431	371	314	301	270	239
Full Time															
Total, 14 to 34 years..	1,638	1,737	1,643	1,599	1,498	1,341	1,343	1,372	1,430	1,567	1,237	1,100	1,255	1,199	1,177
14 to 19 years	855	883	927	910	884	749	778	718	764	865	702	702	772	797	786
20 and 21 years	374	381	357	346	287	251	243	283	261	274	233	165	223	209	197
22 to 24 years	159	214	170	162	160	156	157	162	177	155	151	121	134	124	114
25 to 34 years	250	260	188	181	167	185	167	208	228	274	152	111	126	70	80
Part Time															
Total, 14 to 34 years..	1,293	1,274	1,249	1,202	1,168	1,066	1,110	1,138	1,005	994	835	697	655	631	515
14 to 19 years	195	206	217	214	195	184	190	216	143	159	132	114	111	131	109
20 and 21 years	221	223	209	203	163	152	184	172	183	157	136	113	111	98	84
22 to 24 years	245	280	243	230	256	251	234	218	190	199	154	133	133	139	120
25 to 34 years	631	566	579	554	554	479	503	533	490	478	413	338	300	261	203
GRADUATE STUDENTS															
Total, 14 to 34 years..	1,814	1,810	1,681	1,618	1,692	1,691	1,681	1,810	1,680	1,590	1,490	1,385	1,320	1,192	1,140
14 to 21 years	32	32	34	34	30	44	51	57	42	57	61	42	52	63	54
22 to 24 years	568	535	530	511	554	497	565	593	622	607	499	541	517	468	488
25 to 34 years	1,214	1,244	1,120	1,074	1,104	1,149	1,063	1,161	1,017	923	930	801	749	663	599
Public	1,171	1,180	1,124	1,078	(NA)	1,157	1,087	1,241	1,161	1,105	1,061	945	877	799	789
Private	643	630	558	540	(NA)	534	594	568	519	484	428	439	443	393	351
Male	1,017	960	929	890	914	888	935	995	994	949	897	887	872	833	774
Full time	623	568	514	491	500	469	477	548	542	542	457	467	481	480	432
Part time	394	392	415	399	414	419	458	447	452	407	440	420	391	353	342
Female	797	850	753	728	777	804	745	813	686	640	593	498	450	359	366
Full time	359	362	314	305	332	317	334	338	254	267	205	163	155	136	173
Part time	438	488	439	423	445	487	411	475	432	373	388	335	295	223	243

NA Not available.

[1]Controlled to 1980 census base.
[2]Controlled to 1970 census base.

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Table 6. Enrollment Status, for Persons 3 to 34 Years Old, by Age, Sex, Race, and Spanish Origin: October 1983

(Numbers in thousands. Civilian noninstitutional population. For meaning of symbols, see text)

Age, sex, race, and Spanish origin	Population	Enrolled in school						Not enrolled in school					
		Total		Below college level[1]		In college		Total		High school graduate		Not high school graduate	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL RACES													
Total, 3 to 34 years	119,415	57,744	48.4	46,920	39.3	10,825	9.1	61,670	51.6	46,647	39.1	15,024	12.6
3 and 4 years	6,988	2,624	37.5	2,624	37.5	-	-	4,364	62.5	-	-	4,364	62.5
5 and 6 years	6,510	6,214	95.4	6,214	95.4	-	-	296	4.6	-	-	296	4.6
7 to 9 years	9,512	9,408	98.9	9,408	98.9	-	-	104	1.1	-	-	104	1.1
10 to 13 years	13,951	13,870	99.4	13,870	99.4	-	-	81	0.6	-	-	81	0.6
14 and 15 years	7,214	7,093	98.3	7,085	98.2	8	0.1	121	1.7	-	-	121	1.7
16 and 17 years	7,304	6,698	91.7	6,446	88.3	252	3.5	606	8.3	111	1.5	494	6.8
18 and 19 years	7,819	3,938	50.4	998	12.8	2,940	37.6	3,881	49.6	2,748	35.1	1,132	14.5
20 and 21 years	8,039	2,609	32.5	114	1.4	2,495	31.0	5,430	67.5	4,143	51.5	1,287	16.0
22 to 24 years	12,722	2,111	16.6	69	0.5	2,042	16.1	10,611	83.4	8,620	67.8	1,991	15.7
25 to 29 years	20,606	1,976	9.6	55	0.3	1,921	9.3	18,630	90.4	15,841	76.9	2,789	13.5
30 to 34 years	18,750	1,203	6.4	37	0.2	1,167	6.2	17,547	93.6	15,183	81.0	2,364	12.6
Male, 3 to 34 years	59,534	29,593	49.7	24,089	40.5	5,504	9.2	29,941	50.3	22,287	37.4	7,654	12.9
3 and 4 years	3,573	1,363	38.1	1,363	38.1	-	-	2,211	61.9	-	-	2,211	61.9
5 and 6 years	3,329	3,166	95.1	3,166	95.1	-	-	163	4.9	-	-	163	4.9
7 to 9 years	4,864	4,805	98.8	4,805	98.8	-	-	59	1.2	-	-	59	1.2
10 to 13 years	7,130	7,082	99.3	7,082	99.3	-	-	48	0.7	-	-	48	0.7
14 and 15 years	3,676	3,617	98.4	3,615	98.3	2	-	59	1.6	-	-	59	1.6
16 and 17 years	3,709	3,404	91.8	3,298	88.9	107	2.9	305	8.2	53	1.4	252	6.8
18 and 19 years	3,877	1,956	50.4	616	15.9	1,340	34.6	1,921	49.6	1,291	33.3	630	16.3
20 and 21 years	3,919	1,379	35.2	69	1.8	1,310	33.4	2,540	64.8	1,872	47.8	668	17.0
22 to 24 years	6,207	1,203	19.4	33	0.5	1,170	18.9	5,004	80.6	3,923	63.2	1,081	17.4
25 to 29 years	10,092	1,084	10.7	29	0.3	1,055	10.5	9,008	89.3	7,673	76.0	1,334	13.2
30 to 34 years	9,157	543	5.8	13	0.1	521	5.7	8,623	94.2	7,474	81.6	1,149	12.5
Female, 3 to 34 years	59,881	28,152	47.0	22,831	38.1	5,321	8.9	31,729	53.0	24,360	40.7	7,369	12.3
3 and 4 years	3,415	1,261	36.9	1,261	36.9	-	-	2,154	63.1	-	-	2,154	63.1
5 and 6 years	3,181	3,048	95.8	3,048	95.8	-	-	133	4.2	-	-	133	4.2
7 to 9 years	4,647	4,603	99.0	4,603	99.0	-	-	45	1.0	-	-	45	1.0
10 to 13 years	6,821	6,788	99.5	6,788	99.5	-	-	33	0.5	-	-	33	0.5
14 and 15 years	3,538	3,476	98.2	3,470	98.1	6	0.2	62	1.8	-	-	62	1.8
16 and 17 years	3,595	3,294	91.6	3,148	87.6	147	4.1	301	8.4	59	1.6	242	6.7
18 and 19 years	3,942	1,983	50.3	383	9.7	1,600	40.6	1,959	49.7	1,457	37.0	502	12.7
20 and 21 years	4,120	1,230	29.9	45	1.1	1,185	28.8	2,890	70.1	2,271	55.1	619	15.0
22 to 24 years	6,515	908	13.9	36	0.5	872	13.4	5,607	86.1	4,697	72.1	910	14.0
25 to 29 years	10,514	892	8.5	26	0.3	865	8.2	9,622	91.5	8,168	77.7	1,454	13.8
30 to 34 years	9,593	669	7.0	24	0.3	645	6.7	8,924	93.0	7,709	80.4	1,215	12.7
WHITE													
Total, 3 to 34 years	99,325	47,423	47.7	38,181	38.4	9,242	9.3	51,902	52.3	39,954	40.2	11,949	12.0
3 and 4 years	5,668	2,132	37.6	2,132	37.6	-	-	3,536	62.4	-	-	3,536	62.4
5 and 6 years	5,321	5,094	95.7	5,094	95.7	-	-	226	4.3	-	-	226	4.3
7 to 9 years	7,730	7,642	98.9	7,642	98.9	-	-	88	1.1	-	-	88	1.1
10 to 13 years	11,366	11,292	99.3	11,292	99.3	-	-	74	0.7	-	-	74	0.7
14 and 15 years	5,955	5,857	98.4	5,852	98.3	6	0.1	98	1.6	-	-	98	1.6
16 and 17 years	6,007	5,492	91.4	5,284	88.0	208	3.5	515	8.6	91	1.5	424	7.1
18 and 19 years	6,452	3,285	50.9	688	10.7	2,597	40.3	3,167	49.1	2,283	35.4	884	13.7
20 and 21 years	6,738	2,253	33.4	91	1.4	2,161	32.1	4,485	66.6	3,472	51.5	1,013	15.0
22 to 24 years	10,709	1,753	16.4	48	0.4	1,705	15.9	8,956	83.6	7,425	69.3	1,531	14.3
25 to 29 years	17,430	1,641	9.4	38	0.2	1,603	9.2	15,789	90.6	13,545	77.7	2,244	12.9
30 to 34 years	15,949	981	6.2	20	0.1	961	6.0	14,968	93.8	13,138	82.4	1,830	11.5
Male, 3 to 34 years	49,855	24,368	48.9	19,650	39.4	4,718	9.5	25,487	51.1	19,305	38.7	6,181	12.4
3 and 4 years	2,916	1,115	38.2	1,115	38.2	-	-	1,801	61.8	-	-	1,801	61.8
5 and 6 years	2,744	2,609	95.1	2,609	95.1	-	-	135	4.9	-	-	135	4.9
7 to 9 years	3,953	3,904	98.8	3,904	98.8	-	-	48	1.2	-	-	48	1.2
10 to 13 years	5,820	5,778	99.3	5,778	99.3	-	-	42	0.7	-	-	42	0.7
14 and 15 years	3,051	3,000	98.3	2,999	98.3	2	0.1	51	1.7	-	-	51	1.7
16 and 17 years	3,046	2,791	91.6	2,706	88.8	85	2.8	255	8.4	36	1.2	219	7.2
18 and 19 years	3,216	1,630	50.7	433	13.5	1,197	37.2	1,586	49.3	1,085	33.7	500	15.6
20 and 21 years	3,285	1,201	36.6	52	1.6	1,149	35.0	2,084	63.4	1,561	47.5	523	15.9
22 to 24 years	5,286	1,014	19.2	25	0.5	989	18.7	4,272	80.8	3,430	64.9	842	15.9
25 to 29 years	8,656	899	10.4	23	0.3	875	10.1	7,757	89.6	6,635	76.7	1,122	13.0
30 to 34 years	7,883	427	5.4	6	0.1	421	5.3	7,456	94.6	6,558	83.2	898	11.4
Female, 3 to 34 years	49,470	23,054	46.6	18,530	37.5	4,524	9.1	26,416	53.4	20,648	41.7	5,767	11.7
3 and 4 years	2,752	1,017	36.9	1,017	36.9	-	-	1,736	63.1	-	-	1,736	63.1
5 and 6 years	2,577	2,486	96.5	2,486	96.5	-	-	91	3.5	-	-	91	3.5
7 to 9 years	3,777	3,738	99.0	3,738	99.0	-	-	39	1.0	-	-	39	1.0
10 to 13 years	5,547	5,514	99.4	5,514	99.4	-	-	32	0.6	-	-	32	0.6
14 and 15 years	2,904	2,857	98.4	2,853	98.2	4	0.1	47	1.6	-	-	47	1.6
16 and 17 years	2,961	2,701	91.2	2,576	87.1	123	4.1	260	8.8	55	1.9	205	6.9
18 and 19 years	3,236	1,655	51.1	255	7.9	1,400	43.3	1,581	48.9	1,198	37.0	383	11.8
20 and 21 years	3,453	1,051	30.5	39	1.1	1,012	29.3	2,402	69.5	1,911	55.3	491	14.2
22 to 24 years	5,423	739	13.6	23	0.4	717	13.2	4,684	86.4	3,995	73.7	689	12.7
25 to 29 years	8,774	742	8.5	14	0.2	728	8.3	8,032	91.5	6,910	78.8	1,122	12.8
30 to 34 years	8,066	554	6.9	14	0.2	540	6.7	7,512	93.1	6,580	81.6	932	11.6

See footnotes at end of table.

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Table 6. Enrollment Status, for Persons 3 to 34 Years Old, by Age, Sex, Race, and Spanish Origin: October 1983—Continued

(Numbers in thousands. Civilian noninstitutional population. For meaning of symbols see text)

Age, sex, race, and Spanish origin	Population	Enrolled in school						Not enrolled in school					
		Total		Below college level[1]		In college		Total		High school graduate		Not high school graduate	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
BLACK													
Total, 3 to 34 years	16,156	8,200	50.8	7,097	43.9	1,102	6.8	7,957	49.2	5,397	33.4	2,560	15.8
3 and 4 years	1,070	387	36.2	387	36.2	-	-	683	63.8	-	-	683	63.8
5 and 6 years	967	915	94.7	915	94.7	-	-	51	5.3	-	-	51	5.3
7 to 9 years	1,417	1,405	99.1	1,405	99.1	-	-	13	0.9	-	-	13	0.9
10 to 13 years	2,071	2,065	99.7	2,065	99.7	-	-	6	0.3	-	-	6	0.3
14 and 15 years	1,058	1,035	97.8	1,035	97.8	-	-	24	2.2	-	-	24	2.2
16 and 17 years	1,082	1,002	92.6	971	89.7	31	2.9	80	7.4	18	1.6	62	5.8
18 and 19 years	1,134	523	46.1	265	23.4	258	22.7	611	53.9	412	36.4	199	17.5
20 and 21 years	1,102	258	23.4	16	1.4	242	22.0	844	76.6	608	55.1	237	21.5
22 to 24 years	1,629	254	15.6	12	0.8	241	14.8	1,376	84.4	979	60.1	396	24.3
25 to 29 years	2,480	193	7.8	14	0.6	179	7.2	2,287	92.2	1,824	73.5	463	18.7
30 to 34 years	2,145	164	7.6	13	0.6	151	7.0	1,981	92.4	1,556	72.5	425	19.8
Male, 3 to 34 years	7,730	4,088	52.9	3,591	46.5	497	6.4	3,642	47.1	2,389	30.9	1,252	16.2
3 and 4 years	539	200	37.1	200	37.1	-	-	339	62.9	-	-	339	62.9
5 and 6 years	487	467	95.8	467	95.8	-	-	21	4.2	-	-	21	4.2
7 to 9 years	715	707	98.9	707	98.9	-	-	8	1.1	-	-	8	1.1
10 to 13 years	1,042	1,036	99.4	1,036	99.4	-	-	6	0.6	-	-	6	0.6
14 and 15 years	531	522	98.4	522	98.4	-	-	8	1.6	-	-	8	1.6
16 and 17 years	534	491	91.8	479	89.6	12	2.2	44	8.2	14	2.7	29	5.5
18 and 19 years	539	251	46.6	158	29.3	93	17.3	288	53.4	182	33.8	106	19.6
20 and 21 years	520	122	23.5	11	2.1	112	21.5	398	76.5	275	52.9	123	23.6
22 to 24 years	748	129	17.2	3	0.4	126	16.8	620	82.8	414	55.3	206	27.5
25 to 29 years	1,113	95	8.5	4	0.4	91	8.2	1,020	91.5	828	74.3	192	17.2
30 to 34 years	960	69	7.1	5	0.5	64	6.7	891	92.9	676	70.4	215	22.4
Female, 3 to 34 years	8,427	4,112	48.8	3,507	41.6	605	7.2	4,315	51.2	3,007	35.7	1,307	15.5
3 and 4 years	532	187	35.2	187	35.2	-	-	344	64.8	-	-	344	64.8
5 and 6 years	479	449	93.6	449	93.6	-	-	31	6.4	-	-	31	6.4
7 to 9 years	703	698	99.3	698	99.3	-	-	5	0.7	-	-	5	0.7
10 to 13 years	1,029	1,029	100.0	1,029	100.0	-	-	-	-	-	-	-	-
14 and 15 years	527	512	97.1	512	97.1	-	-	15	2.9	-	-	15	2.9
16 and 17 years	548	511	93.4	492	89.9	19	3.5	36	6.6	3	0.6	33	6.0
18 and 19 years	595	272	45.7	107	18.0	164	27.6	323	54.3	230	38.7	93	15.6
20 and 21 years	582	136	23.3	5	0.9	131	22.4	447	76.7	333	57.1	114	19.6
22 to 24 years	881	125	14.2	9	1.1	116	13.1	756	85.8	565	64.2	191	21.6
25 to 29 years	1,365	98	7.2	10	0.7	88	6.4	1,268	92.8	996	73.0	271	19.9
30 to 34 years	1,185	95	8.0	8	0.7	87	7.4	1,090	92.0	880	74.2	210	17.7
SPANISH ORIGIN[2]													
Total, 3 to 34 years	9,359	4,617	49.3	4,095	43.8	523	5.6	4,741	50.7	2,202	23.5	2,539	27.1
3 and 4 years	642	151	23.5	151	23.5	-	-	491	76.5	-	-	491	76.5
5 and 6 years	593	564	95.1	564	95.1	-	-	29	4.9	-	-	29	4.9
7 to 9 years	894	880	98.5	880	98.5	-	-	14	1.5	-	-	14	1.5
10 to 13 years	1,263	1,259	99.7	1,259	99.7	-	-	4	0.3	-	-	4	0.3
14 and 15 years	616	591	96.0	591	96.0	-	-	25	4.0	-	-	25	4.0
16 and 17 years	561	498	88.6	480	85.6	17	3.1	64	11.4	6	1.1	58	10.2
18 and 19 years	573	254	44.3	120	20.9	134	23.4	319	55.7	154	26.8	166	28.9
20 and 21 years	614	147	24.0	23	3.7	124	20.2	467	76.0	232	37.7	235	38.3
22 to 24 years	838	105	12.5	13	1.6	91	10.9	733	87.5	375	44.8	358	42.7
25 to 29 years	1,468	120	8.2	6	0.4	114	7.8	1,348	91.8	746	50.8	602	41.0
30 to 34 year	1,296	49	3.8	8	0.6	41	3.2	1,247	96.2	689	53.1	558	43.1
Male, 3 to 34 years	4,626	2,347	50.7	2,094	45.3	253	5.5	2,279	49.3	1,008	21.8	1,271	27.5
3 and 4 years	329	82	25.0	82	25.0	-	-	247	75.0	-	-	247	75.0
5 and 6 years	302	278	91.9	278	91.9	-	-	24	8.1	-	-	24	8.1
7 to 9 years	464	459	98.8	459	98.8	-	-	5	1.2	-	-	5	1.2
10 to 13 years	631	628	99.6	628	99.6	-	-	2	0.4	-	-	2	0.4
14 and 15 years	321	313	97.8	313	97.8	-	-	7	2.2	-	-	7	2.2
16 and 17 years	273	240	88.2	230	84.5	10	3.7	32	11.8	3	1.2	29	10.7
18 and 19 years	266	108	40.4	67	25.1	41	15.3	159	59.6	72	27.0	87	32.6
20 and 21 years	311	82	26.2	21	6.7	61	19.5	230	73.8	95	30.6	134	43.2
22 to 24 years	391	59	15.1	9	2.4	50	12.7	332	84.9	157	40.1	175	44.7
25 to 29 years	729	78	10.8	4	0.6	74	10.2	651	89.2	358	49.2	292	40.1
30 to 34 years	608	19	3.1	2	0.3	17	2.8	589	96.9	322	52.9	267	44.0
Female, 3 to 34 years	4,733	2,271	48.0	2,001	42.3	270	5.7	2,462	52.0	1,194	25.2	1,268	26.8
3 and 4 years	313	69	22.0	69	22.0	-	-	244	78.0	-	-	244	78.0
5 and 6 years	291	286	98.3	286	98.3	-	-	5	1.7	-	-	5	1.7
7 to 9 years	430	421	98.1	421	98.1	-	-	8	1.9	-	-	8	1.9
10 to 13 years	632	631	99.8	631	99.8	-	-	1	0.2	-	-	1	0.2
14 and 15 years	295	278	94.1	278	94.1	-	-	18	5.9	-	-	18	5.9
16 and 17 years	289	257	89.1	250	86.6	7	2.5	32	10.9	3	1.1	28	9.8
18 and 19 years	307	146	47.6	52	17.2	93	30.4	161	52.4	82	26.7	79	25.6
20 and 21 years	303	66	21.7	2	0.7	64	21.0	237	78.3	136	45.1	101	33.3
22 to 24 years	447	45	10.1	4	0.9	41	9.3	401	89.9	218	48.9	183	41.0
25 to 29 years	739	42	5.7	2	0.3	40	5.4	698	94.3	388	52.4	310	41.9
30 to 34 years	688	30	4.4	6	0.8	25	3.6	657	95.6	367	53.3	291	42.3

[1] Includes nursery school, kindergarten, and grades 1 to 12.
[2] Persons of Spanish origin may be of any race.

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Appendix. Source and Reliability of Estimates

SOURCE OF DATA

The estimates of school enrollment in 1983 are based on data obtained in October 1983 from the Current Population Survey (CPS) conducted by the Bureau of the Census. The CPS sample was initially selected from the 1970 census file and is updated continuously to reflect new construction where possible. The October sample was spread over 629 areas comprising 1,148 counties, independent cities and minor civil divisions with coverage in each of the 50 States and the District of Columbia. The sample is composed of approximately 61,500 occupied households that are eligible for interview. Of this number, about 2,500 occupied units were visited, but interviews were not obtained because the occupants were not found at home after repeated calls or were unavailable for some other reason. For a description of the CPS sample designs prior to 1980, see the detailed report for 1979 in this series.

The estimation procedure used for this survey involved the inflation of the weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, race and sex. These independent estimates are based on statistics from decennial censuses; statistics on births, deaths, immigration, and emigration; and statistics on the strength of the Armed Forces.

The independent population estimates used in this report to obtain data for 1983 are based on the 1980 decennial census.

Two sets of estimates for 1981 are shown in some of the tables in this report: one set results from using independent population estimates based on the more up-to-date 1980 decennial census and the other set results from using 1970 census based population estimates. The 1970 based estimates have been included to provide continuity in the time series with previous years. Comparing the 1980 based estimates with the 1970 based estimates provides a measure of the effect of changing to the 1980 based estimation procedure.

Data for 1972 to 1980 were obtained using independent population estimates based on the 1970 decennial census. Estimates for earlier years were based on earlier censuses.

RELIABILITY OF ESTIMATES

Since the estimates in this report are based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey— sampling and nonsampling. The standard errors provided for this report primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The full extent of the nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates.

Use of school enrollment data for persons of Spanish origin. Methodological changes which occurred in 1980 resulted in relatively large increases in the estimated number and proportion of children 3 to 13 years old who are of Spanish origin. Consequently, when using school enrollment data for persons of Spanish origin, particular care should be exercised in comparing estimates for 1980 and later years of the total number of children enrolled in nursery school, kindergarten, and/or elementary school with estimates from earlier years. These changes do not affect school enrollment rates reported for persons of Spanish origin.

Sampling variability. The standard errors presented in tables A-1 and A-2 are primarily measures of sampling variability; that is, of the variations that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its standard error enable one to construct interval estimates that include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under identical conditions using the same sample design; and an estimate and its standard error were calculated from each sample, then:

1. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

2. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

Table A-1. Standard Errors of Estimated Numbers of Persons Enrolled in School, for the Total, Black, and Spanish-Origin Populations: October 1983

(Numbers in thousands)

Enrollment	Total		Black		Spanish origin	
	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error
Total enrolled.....	57,745	244	8,199	103	4,618	122
Nursery.....	2,350	72	326	28	108	16
Private.....	1,541	59	111	16	48	11
Kindergarten.....	3,361	85	476	33	335	28
Private.....	656	39	48	11	50	11
Elementary.....	27,198	132	4,153	93	2,548	75
Private.....	2,994	80	189	21	225	23
High school.....	14,010	153	2,143	63	1,104	62
College.....	10,825	137	1,102	48	523	37
Full time.....	7,711	119	806	41	335	28

Note: Controlled to 1980 census base.

Source: Estimates from table 1.

The average result of all possible samples may or may not be contained in any particular computed interval. However, for a particular sample one can say with specified confidence that the average result of all possible samples is included within the constructed interval.

All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a hypothesis test at the 0.05 level of significance or better. This means that, for most differences cited in the text, the estimated difference between parameters is greater than twice the standard error of the difference. For the other difference mentioned, the estimated difference between parameters is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison will be qualified in some way; e.g., by use of the phrase "some evidence."

Note when using small estimates. Percent distributions are shown in this report only when the base of the percentage is greater than 75,000. Because of the large standard errors involved, there is little chance that percentages would reveal useful information when computed on a smaller base. Estimated numbers of persons are shown, however, even though the relative standard errors of these numbers are larger than those for the corresponding percentages. These smaller estimates are provided primarily to permit those combinations of the categories which serves each user's needs.

Table A-2. Standard Errors of Estimated Percentages of Persons 3 to 34 Years Old Enrolled in School for the Total, Black, and Spanish-Origin Population: October 1983

(Numbers in thousands)

Age	Total		Black		Spanish origin	
	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error
3 to 34 years.....	48.4	0.2	50.8	0.6	49.3	0.9
3 and 4 years.....	37.5	0.9	36.2	2.3	23.5	2.6
5 and 6 years.....	95.4	0.4	94.7	1.0	95.1	1.3
7 to 9 years.....	98.9	0.16	99.1	0.4	98.5	0.6
10 to 13 years.....	99.4	0.10	99.7	0.2	99.7	0.5
14 and 15 years.....	98.3	0.2	97.8	0.7	96.0	1.5
16 and 17 years.....	91.7	0.5	92.6	1.2	88.6	2.5
18 and 19 years.....	50.4	0.8	46.1	2.2	44.3	3.8
20 and 21 years.....	32.5	0.7	23.4	1.9	24.0	3.2
22 to 24 years.....	16.6	0.5	15.6	1.4	12.5	2.1
25 to 29 years.....	9.6	0.3	7.8	0.8	8.2	1.3
30 to 34 years.....	6.4	0.3	7.6	0.9	3.8	1.0

Note: Controlled to 1980 census base.

Source: Estimates from table 6.

Table A-3. Parameters to be Used for School Enrollment Characteristics for Direct Computation of Standard Errors

Characteristic	Parameters[1]	
	a	b
Persons enrolled in school, 3-34 years old:		
Total or White	-0.000017	2014
Black	-0.000117	2265
Spanish origin	-0.000028	3374
Persons enrolled in school, 14-34 years old:		
Total or White	-0.000025	2014
Black	.000179	2265
Spanish origin (level)	[2]0.001519	[2]1856
Spanish origin (percent only)	(X)	[3]3374
Children, 3-13 years old, enrolled in school:		
All races and Spanish origin	-0.000063	2350

X Not applicable.

[1]To obtain "a" and "b" parameters for 1965, multiply these parameters by 1.5.

[2]These "a" and "b" parameters are to be used to calculate standard errors of levels only for the October supplement. For Spanish origin in the March supplement, use a = 0.000901, b = 1101.

[3]This "b" parameter is to be used to calculate the standard error of percentages only. For the March supplement, use b = 2002.

Standard errors for data based on CPS. Since this is an advance report, standard errors are provided in tables A-1 and A-2, and standard error parameters are provided in table A-3 for estimated numbers of persons and estimated percentages for only certain characteristics which are considered the most important among the data in the report. A more complete source and reliability statement for the 1983 data will be published with the forthcoming 1983 detailed report.

Standard errors of estimated numbers and estimated percentages. The approximate standard errors of estimated numbers and percentages can be computed directly with formulas (1) and (2) below, respectively. The formulas are:

$$\sigma_x = \sqrt{ax^2 + bx} \qquad (1)$$

where "x" is the size of the estimate and "a" and "b" are the parameters associated with the characteristic; and

$$\sigma_{(x,p)} = \sqrt{\frac{b}{x} \cdot p\,(100-p)} \qquad (2)$$

where "x" is the size of the subclass of the population which is the base of the percentage, "p" is the percentage (0 p 100), and "b" is the parameter associated with the characteristic.

Table A-3 provides the values of the "a" and "b" parameters that are used in formulas (1) and (2) to approximate standard errors of estimated numbers of persons and estimated percentages.

Standard error of a difference. For a difference between two sample estimates, the standard error is approximately equal to

$$\sigma_{(x-y)} \doteq \sqrt{\sigma^2 + \sigma^2} \qquad (3)$$

Where σ_x and σ_y are the standard errors of the estimates x and y; the estimates can be numbers, percents, ratios, etc. This will represent the estimated standard error quite accurately for the difference between two estimates of the same characteristic in two different areas, or for the difference between two separate and uncorrelated characteristics in the same area. If, however, there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

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